

STATEMENT OF BASIS

as required by LAC 33:IX.3109, for draft **Louisiana Pollutant Discharge Elimination System Permit No. LA0119822, AI 40795; PER20020001** to discharge to waters of the **State of Louisiana** as per LAC 33:IX.2311.

The **permitting authority** for the Louisiana Pollutant Discharge Elimination System (LPDES) is:

Louisiana Department of Environmental Quality
Office of Environmental Services
P. O. Box 4313
Baton Rouge, Louisiana 70821-4313

- I. **THE APPLICANT IS:** Quail Ridge Limited Partnership
Quail Ridge Mobile Home Park
2187 E. Gauthier Road, Box 333 A
Lake Charles, LA 70607
- II. **PREPARED BY:** Ronda Burtch
- DATE PREPARED:** December 5, 2006
- III. **PERMIT ACTION:** reissue LPDES permit LA0119822, AI 40795; PER20020001

EPA has not retained enforcement authority.

LPDES permit LAG560037 issued: July 30, 1998
LPDES permit LAG560037 expired: August 27, 2002

LPDES permit LA0119822 issued: July 1, 2005
LPDES permit LA0119822 expired: June 30, 2010

The current LPDES permit LA0119822 was stayed due to an appeal and request for a hearing by Quail Ridge Limited Partnership. While permit LA0119822 was being appealed, the facility was issued a compliance order requiring them continue following their previous LPDES General Sanitary Class III permit LAG560037. Through telephone status conferences, LDEQ and Quail Ridge Limited Partnership has come to an agreement regarding permit LA0119822. Following are the issues of concern that Quail Ridge expressed in their appeal.

1. Quail Ridge Limited Partnership believed that the estimated flow was too high and did not take into account the actual flow and water usage data. LDEQ required them to install a continuous recorder for at least three months to obtain more accurate data on the flow from the facility. The results from the continuous recorder showed that the flow from the facility was less than 0.10 MGD. Therefore, LDEQ will permit this facility at 0.095 MGD, which is the maximum weekly average flow. Since the facility will be permitted at 0.095MGD, a continuous recorder and mass limitations will not be required of this facility. Also, the monitoring frequency will be changed from 2/month to 1/month.
2. Quail Ridge Limited Partnership requested that the facility be given 38 months to either upgrade and/or conduct a feasibility study to determine if the facility should be tied into the new wastewater treatment plant being constructed by the City of Lake Charles. At this point in time, Quail Ridge has elected not to tie into the City of Lake Charles. LDEQ and Quail Ridge have agreed to a two year compliance schedule with interim limits.

IV. FACILITY INFORMATION:

- A. The application is for the discharge of treated sanitary wastewater from a privately owned treatment works serving the Quail Ridge Mobile Home Park.
- B. The permit application does not indicate the receipt of industrial wastewater.
- C. The facility is located at 2187 East Gauthier Road, south of Lake Charles, Calcasieu Parish.

D. The treatment facility consists of a three cell oxidation pond. Disinfection is by chlorination.

E. Outfall 001

Discharge Location: Latitude 30° 08' 14" North
Longitude 93° 11' 02" West

Description: treated sanitary wastewater

Expected Flow: 373 homes x 300 gallons/day/home = 0.1119 MGD (However, a continuous recorder was installed at the facility for three months to determine the average flow. Results showed that the discharges stayed below 0.10 MGD for the three months. Therefore, the facility will be permitted at 0.095 MGD, which was the maximum weekly average flow. **Please note that if at anytime the flow from your facility reaches or exceeds 0.10 MGD you are required to apply for a permit modification immediately.**

Calculations for gallons per day were based upon figures obtained from Chapter 15 of the State of Louisiana Sanitary Code, Department of Health and Hospitals, Office of Public Health.

If the facility grows to a discharge beyond the design capacity of the facility, additional sewage treatment must be added with prior approval of the facility's plans by the Louisiana Department of Health and Hospitals and an authorization request must be submitted to the LDEQ. Also, if the flow reaches or exceeds the design capacity of the facility, a permit modification may be required.

Type of Flow Measurement which the facility is currently using:

Bucket and Stop Watch

V. RECEIVING WATERS:

The discharge is into an unnamed ditch, thence into Black Bayou, thence into the Intracoastal Waterway in segment 031101 of the Calcasieu River Basin. This segment is not listed on the 303(d) list of impaired waterbodies.

The designated uses and degree of support for Segment 031101 of the Calcasieu River Basin are as indicated in the table below^{1/}:

Overall Degree of Support for Segment 031101	Degree of Support of Each Use						
	Primary Contact Recreation	Secondary Contact Recreation	Propagation of Fish & Wildlife	Outstanding Natural Resource Water	Drinking Water Supply	Shell fish Propagation	Agriculture
Partial	Full	Full	Not Supported	N/A	N/A	N/A	N/A

^{1/}The designated uses and degree of support for Segment 031101 of the Calcasieu River Basin are as indicated in LAC 33:IX.1123.C.3, Table (3) and the 1998 Water Quality Management Plan, Volume 5, Part B, Water Quality Inventory, respectively.

VI. ENDANGERED SPECIES:

The receiving waterbody, Subsegment 031101 of the Calcasieu River Basin, is not listed in Section II.2 of the *Implementation Strategy as requiring consultation with the U. S. Fish and Wildlife Service (FWS)*. This strategy was submitted with a letter dated September 29, 2006 from Watson (FWS) to Brown (LDEQ). Therefore, in accordance with the Memorandum of Understanding between the LDEQ and the FWS, no further informal (Section 7, Endangered Species Act) consultation is required. It was determined that the issuance of the LPDES permit is not likely to have an adverse effect on any endangered or candidate species or the critical habitat. The effluent limitations established in the permit ensure protection of aquatic life and maintenance of the receiving water as aquatic habitat.

VII. HISTORIC SITES:

The discharge is from an existing facility location, which does not include an expansion beyond the existing perimeter. Therefore, there should be no potential effect to sites or properties on or eligible for listing on the National Register of Historic Places, and in accordance with the 'Memorandum of Understanding for the Protection of Historic Properties in Louisiana Regarding LPDES Permits' no consultation with the Louisiana State Historic Preservation Officer is required.

VIII. PUBLIC NOTICE:

Upon publication of the public notice, a public comment period shall begin on the date of publication and last for at least 30 days thereafter. During this period, any interested persons may submit written comments on the draft permit modification and may request a public hearing to clarify issues involved in the permit decision at this Office's address on the first page of the statement of basis. A request for a public hearing shall be in writing and shall state the nature of the issues proposed to be raised in the hearing.

Public notice published in:

Local newspaper of general circulation

Office of Environmental Services Public Notice Mailing List

For additional information, contact:

Ms. Ronda Burtch
Permits Division
Department of Environmental Quality
Office of Environmental Services
P. O. Box 4313
Baton Rouge, Louisiana 70821-4313

IX. PROPOSED PERMIT LIMITS:

Subsegment 031101, Intracoastal Waterway, Calcasieu Lock to East Calcasieu River Basin Boundary, is not listed on LDEQ's Final 2004 303(d) List as impaired, and to date no TMDLs have been established. A reopener clause will be established in the permit to allow for the requirement of more stringent effluent limitations and requirements as imposed by any future TMDLs.

Interim Effluent Limits:

OUTFALL 001

Interim limits are being established in the permit to give Quail Ridge Limited Partnership time to upgrade their facility to meet the newly imposed permit limits.

Interim limits shall begin on the effective date of the permit and expire two (2) years from the effective date of the permit.

Effluent Characteristic	Monthly Avg. (lbs./day)	Monthly Avg.	Weekly Avg.	Basis
BOD ₅	---	20 mg/l	30 mg/l	Limits are set in accordance with the LPDES General Sanitary Permit LAG560000 limitations.
TSS	---	20 mg/l	30 mg/l	Limits are set in accordance with the LPDES General Sanitary Permit LAG560000 limitations.

*Concentration limits are used in accordance with LAC 33:IX.2709.F.1.b which states that mass limitations are not necessary when applicable standards and limitations are expressed in other units of measurement. LAC 33:IX.709.B references LAC 33:IX.711 which express BOD₅ and TSS in terms of concentration.

Other Effluent Limitations:

1) Fecal Coliform

The discharge from this facility is into a water body, which has a designated use of Primary Contact Recreation. According to LAC 33:IX.1113.C.5.b.i, the fecal coliform standards for this water body are 200/100 ml and 400/100 ml. Therefore, the limits of 200/100 ml (Monthly Average) and 400/100 ml (Weekly Average) are proposed as Fecal Coliform limits in the permit. These limits are being proposed through Best Professional Judgment in order to ensure that the water body standards are not exceeded, and due to the fact that existing facilities have demonstrated an ability to comply with these limitations using present available technology.

2) pH

The pH shall not be less than 6.0 standard units nor greater than 9.0 standard units at any time. (Limits as established through BPJ considering BCT for similar waste streams in accordance with LAC 33:IX.5905.C).

3) Solids and Foam

There shall be no discharge of floating solids or visible foam in other than trace amounts in accordance with LAC 33:IX.1113.B.7.

Final Effluent Limits:

OUTFALL 001

Final limits shall become effective two (2) years from the effective date of the permit and expire on the expiration date of the permit.

Effluent Characteristic	Monthly Avg. (lbs./day)	Monthly Avg.	Weekly Avg.	Basis
BOD ₅	---	10 mg/l	15 mg/l	Limits are set in accordance with the Statewide Sanitary Effluent Limitations Policy (SSELP) for facilities of this treatment type and size.
TSS	---	15 mg/l	23 mg/l	In accordance with the current Water Quality Management Plan, the TSS effluent limitations shall be based on a case-by-case evaluation of the treatment technology being utilized at a facility. Therefore, a Technology Based Limit has been established through Best Professional Judgement for the type of treatment technology utilized at this facility.

*Concentration limits are used in accordance with LAC 33:IX.2709.F.1.b which states that mass limitations are not necessary when applicable standards and limitations are expressed in other units of measurement. LAC 33:IX.709.B references LAC 33:IX.711 which express BOD₅ and TSS in terms of concentration.

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3) Solids and Foam

There shall be no discharge of floating solids or visible foam in other than trace amounts in accordance with LAC 33:IX.1113.B.7.

X. PREVIOUS PERMITS:

LPDES Permit No. LA0119822: Issued: July 1, 2005
Expired: June 30, 2010

Interim Effluent Limitations (July 1, 2005 to June 30, 2007)

<u>Effluent Characteristic</u>	<u>Discharge Limitations</u>		<u>Monitoring Requirements</u>	
	<u>Daily Avg.</u>	<u>Daily Max.</u>	<u>Measurement Frequency</u>	<u>Sample Type</u>
Flow	Report	Report	1/month	Measure
BOD ₅	20 mg/l	30 mg/l	1/month	Grab
TSS	20 mg/l	30 mg/l	1/month	Grab
Fecal Coliform Colonies	200	400	1/month	Grab

Final Effluent Limitations (July 1, 2007 June 30, 2010)

<u>Effluent Characteristic</u>	<u>Discharge Limitations</u>		<u>Monitoring Requirements</u>	
	<u>Daily Avg.</u>	<u>Daily Max.</u>	<u>Measurement Frequency</u>	<u>Sample Type</u>
Flow	Report	Report	Continuous	Record
BOD ₅	10 mg/l	15 mg/l	2/month	Grab
TSS	15 mg/l	23 mg/l	2/month	Grab
Fecal Coliform Colonies	200	400	2/month	Grab

LPDES Permit No. LAG560037: Issued: July 30, 1998
Expired: August 27, 2002

<u>Effluent Characteristic</u>	<u>Discharge Limitations</u>		<u>Monitoring Requirements</u>	
	<u>Daily Avg.</u>	<u>Daily Max.</u>	<u>Measurement Frequency</u>	<u>Sample Type</u>
Flow	Report	Report	1/month	Measure
BOD ₅	20 mg/l	30 mg/l	1/month	Grab
TSS	20 mg/l	30 mg/l	1/month	Grab
Fecal Coliform Colonies	200	400	1/month	Grab

KI. ENFORCEMENT AND SURVEILLANCE ACTIONS:

A) Inspections

A review of the files indicates that no recent inspections have been performed at this facility.

B) Compliance and/or Administrative Orders

A review of the files indicates the following most recent enforcement action administered against this facility:

LDEQ Issuance:

Docket #: WE-CN-05-0377
Date Issued: November 28, 2005
Findings of Fact:

1. The Respondent owns and/or operates a sewage treatment plant which serves the residences of Quail Ridge Mobile Home Park and which is located at 2187 E. Gauthier Road, Calcasieu Parish, Louisiana.
2. The Respondent was granted coverage under Louisiana Pollutant Discharge Elimination System (LPDES) General Permit LAG560000 on July 30, 1998, and specifically was assigned Permit Number LAG560037.

3. LPDES permit LAG560037 authorizes the Respondent to discharge treated sanitary wastewater into an unnamed ditch, thence into Coulee Hippolyte, both waters of the state. The permit expired on August 27, 2002, and was administratively extended.
4. The Department received an LPDES permit renewal application on or about September 9, 2002. An individual LPDES permit LA0119822 was issued to the Respondent with an effective date of July 1, 2005, and will expire on June 30, 2010. The Respondent submitted a written correspondence to the Department on or about July 7, 2005, requesting a hearing regarding the recently issued permit; therefore, this permit has been administratively stayed. The Respondent shall follow the limitations and monitoring requirements of the previous LPDES permit LAG560037 until an administrative hearing is held or otherwise notified in writing from the Department.
5. An inspection conducted by the Department on or about March 16, 2004, and a subsequent file review conducted on or about July 28, 2005, revealed that the Respondent was discharging partially treated wastewater. Specifically, samples collected during the inspection on March 16, 2004, revealed a BOD value of 14.8 mg/L, a TSS value of 280 mg/L, and a Fecal Coliform value of <20 col/100 ml.
6. An inspection conducted on or about March 16, 2004, and a subsequent file review conducted on or about July 28, 2005, revealed the following effluent violations, as reported by the Respondent on its DMRs from November 2002 through June 2005:

Date	Parameter	Unit	Permit Limit	Sample Value
11/02	TSS, weekly avg.	mg/L	30	104
	Fecal Coliform, weekly avg.	col/100 ml	400	700
12/02	TSS, weekly avg.	mg/L	30	204
1/03	TSS, weekly avg.	mg/L	30	480
2/03	TSS, weekly avg.	mg/L	30	137
	Fecal Coliform, weekly avg.	col/100 ml	400	610
	pH, min. – max.	S.U.	6.0-9.0	9.07
3/03	TSS, weekly avg.	mg/L	30	137
	Fecal Coliform, weekly avg.	col/100 ml	00	610
4/03	TSS, weekly avg.	mg/L	30	173
5/03	TSS, weekly avg.	mg/L	30	81
6/03	TSS, weekly avg.	mg/L	30	125
	pH, min.-max.	S.U.	6.0-9.0	9.87
7/03	TSS, weekly avg.	mg/L	30	236
	pH, min.-max.	S.U.	6.0-9.0	10.6
8/03	TSS, weekly avg.	mg/L	30	168
	pH, min.-max.	S.U.	6.0-9.0	10.4
9/03	TSS, weekly avg.	mg/L	30	177
	pH, min.-max.	S.U.	6.0-9.0	9.23
10/03	TSS, weekly avg.	mg/L	30	201
	pH, min.-max.	S.U.	6.0-9.0	9.71
11/03	TSS, weekly avg.	mg/L	30	260
	pH, min.-max.	S.U.	6.0-9.0	9.41
12/03	TSS, weekly avg.	mg/L	30	371
	pH, min.-max.	S.U.	6.0-9.0	9.07
1/04	TSS, weekly avg.	mg/l	30	184
	Fecal Coliform, weekly avg.	col/100 ml	400	791
2/04	TSS, weekly avg.	mg/L	30	240
	pH, min.-max.	S.U.	6.0-9.0	9.95
3/04	TSS, weekly avg.	mg/l	30	33
	pH, min. – max.	S.U.	6.0 - 9.0	10.0
4/04	TSS, monthly avg.	mg/l	20	155
	TSS, weekly avg.	mg/l	30	155
	pH, min. – max.	S.U.	6.0 – 9.0	9.41
5/04	TSS, monthly avg.	mg/l	20	95

	TSS, weekly avg.	mg/l	30	95
	pH, min. – max.	S.U.	6.0 – 9.0	9.36
6/04	TSS, monthly avg.	mg/l	20	99
	TSS, weekly avg.	mg/l	30	99
	pH, min. – max.	S.U.	6.0 – 9.0	9.40
7/04	TSS, monthly avg.	mg/l	20	108
	TSS, weekly avg.	mg/l	30	108
	pH, min. – max.	S.U.	6.0 – 9.0	9.71
8/04	TSS, monthly avg.	mg/l	20	219
	TSS, weekly avg.	mg/l	30	219
	pH, min. – max.	S.U.	6.0 – 9.0	9.93
9/04	TSS, monthly avg.	mg/l	20	84.3
	TSS, weekly avg.	mg/l	30	84.3
	pH, min. – max.	S.U.	6.0 – 9.0	9.53
	Fecal Coliform, monthly avg.	col/100 ml	200	TNTC
	Fecal Coliform, weekly avg.	col/100ml	400	TNTC
10/04	BOD ₅ , monthly avg.	mg/l	20	>50.76
	BOD ₅ , weekly avg.	mg/l	30	>50.76
	TSS, monthly avg.	mg/l	20	63.2
	TSS, weekly avg.	mg/l	30	63.2
11/04	BOD ₅ , monthly avg.	mg/l	20	30.1
	BOD ₅ , weekly avg.	mg/l	30	30.1
	TSS, monthly avg.	mg/l	20	198
	TSS, weekly avg.	mg/l	30	198
	pH, min. – max.	S.U.	6.0 – 9.0	10.0
12/04	TSS, monthly avg.	mg/l	20	244
	TSS, weekly avg.	mg/l	30	244
	pH, min. – max.	S.U.	6.0 – 9.0	9.88
	Fecal Coliform, monthly avg.	col/100 ml	200	440
	Fecal Coliform, weekly avg.	col/100 ml	400	440
1/05	BOD ₅ , monthly avg.	mg/l	20	32.9
	BOD ₅ , weekly avg.	mg/l	30	32.9
	TSS, monthly avg.	mg/l	20	104
	TSS, weekly avg.	mg/l	30	104
	pH, min. – max.	S.U.	6.0 – 9.0	9.8
2/05	TSS, monthly avg.	mg/l	20	162
	TSS, weekly avg.	mg/l	30	162
	pH, min. – max.	S.U.	6.0 – 9.0	9.99
3/05	TSS, monthly avg.	mg/l	20	44.8
	TSS, weekly avg.	mg/l	30	44.8
	pH, min. – max.	S.U.	6.0 – 9.0	9.90
4/05	BOD ₅ , monthly avg.	mg/l	20	21.7
	TSS, monthly avg.	mg/l	20	76.6
	TSS, weekly avg.	mg/l	30	76.6
	pH, min. – max.	S.U.	6.0 – 9.0	9.64
5/05	BOD ₅ , monthly avg.	mg/l	20	23.9
	TSS, monthly avg.	mg/l	20	81.2
	TSS, weekly avg.	mg/l	30	81.2
	pH, min. – max.	S.U.	6.0 – 9.0	9.4
6/05	TSS, monthly avg.	mg/l	20	149
	TSS, weekly avg.	mg/l	30	149

7. Further file review conducted on or about July 29, 2005, revealed that the Respondent failed to fill out its DMRs accurately. Specifically, the Respondent failed to fill in the required Monthly Average on its DMRs for the monitoring periods of November 2002 through March 2004. Also, the Respondent submitted DMRs with the incorrect permit number. Specifically, the following monthly monitoring periods contained the incorrect

permit number: November – December 2002, February – March 2003, May – September 2003, February – March 2004, June 2004, August – September 2004, November – December 2004, February – March 2005, May 2005, and June 2005.

Order

1. To immediately take, upon receipt of the Compliance Order, any and all steps necessary to meet and maintain compliance with LPDES permit LAG560037.
2. To submit to the Enforcement Division, within thirty days after receipt of this Compliance Order, properly completed DMRs for the monitoring periods mentioned in Paragraph IV of the Findings of Fact portion of this order
3. The Respondent shall submit a comprehensive plan for the expeditious elimination and prevention of noncomplying discharges and the noted deficiencies. Such plan shall provide for specific corrective actions taken and shall include a critical path schedule for the achievement of compliance within the shortest time possible.
4. To submit to the Enforcement Division, a written report that includes a detailed description of the circumstances surrounding the cited violations and actions taken or to be taken to achieve compliance with the Order Portion of this Compliance Order.

C) DMR Review

A review of the discharge monitoring reports for the period beginning July 1, 2004 through June 30, 2006 has revealed the following violations:

Month	Parameter	DMR Reported Value	Permit Limit
July 2004	TSS, Monthly Avg.	108 mg/l	20
	TSS, Weekly Avg.	108 mg/l	30
	pH, min. – max.	9.71 s.u.	6.0 – 9.0 s.u.
August 2004	TSS, Monthly Avg.	219 mg/l	20
	TSS, Weekly Avg.	219 mg/l	30
	pH, min. – max.	9.93 s.u.	6.0 – 9.0 s.u.
September 2004	TSS, Monthly Avg.	84.30 mg/l	20 mg/l
	TSS, Weekly Avg.	84.30 mg/l	30 mg/l
	pH	9.53 s.u.	6.0-9.0 s.u.
	Fecal Coliform, Monthly Avg.	TNTC	200 col/100 ml
October 2004	Fecal Coliform, Weekly Avg.	TNTC	400 col/100 ml
	BOD ₅ , Monthly Avg.	>50.76 mg/l	20 mg/l
	BOD ₅ , Weekly Avg.	>50.76 mg/l	30 mg/l
	TSS, Monthly Avg.	63.2 mg/l	20 mg/l
November 2004	TSS, Weekly Avg.	63.2 mg/l	30 mg/l
	TSS, Monthly Avg.	244 mg/l	20 mg/l
	TSS, Weekly Avg.	244 mg/l	30 mg/l
	pH	9.88 s.u.	6.0-9.0 s.u.
December 2004	Fecal Coliform, Monthly Avg.	440 col/100 ml	200 col/100 ml
	Fecal Coliform, Weekly Avg.	440 col/100 ml	400 col/100 ml
	BOD ₅ , Monthly Avg.	30.1 mg/l	20 mg/l
	BOD ₅ , Weekly Avg.	30.1 mg/l	30 mg/l
January 2005	pH, min. – max.	10.0 s.u.	6.0 – 9.0 s.u.
	TSS, Monthly Avg.	198 mg/l	20 mg/l
	TSS, Weekly Avg.	198 mg/l	30 mg/l
	BOD ₅ , Monthly Avg.	32.9 mg/l	20 mg/l
February 2005	BOD ₅ , Weekly Avg.	32.9 mg/l	30 mg/l
	pH, min. – max.	9.80 s.u.	6.0 – 9.0 s.u.
	TSS, Monthly Avg.	104 mg/l	20 mg/l
	TSS, Weekly Avg.	104 mg/l	30 mg/l
February 2005	TSS, Monthly Avg.	162 mg/l	20 mg/l
	TSS, Weekly Avg.	162 mg/l	30 mg/l
	pH	9.99 s.u.	6.0 – 9.0 s.u.

March 2005	TSS, Monthly Avg. TSS, Weekly Avg. pH	44.8 mg/l 44.8 mg/l 9.90 s.u.	20 mg/l 30 mg/l 6.0 – 9.0 s.u.
April 2005	BOD ₅ , Monthly Avg. TSS, Monthly Avg. TSS, Weekly Avg. pH, min. – max.	21.7 mg/l 76.6 mg/l 76.6 mg/l 9.64 s.u.	20 mg/l 20 mg/l 30 mg/l 9-6.0 – 9.0 s.u.
May 2005	BOD ₅ , Monthly Avg. pH, min. – max. TSS, Monthly Avg. TSS, Weekly Avg.	23.9 mg/l 9.40 s.u. 81.2 mg/l 81.2 mg/l	20 mg/l 6.0 – 9.0 s.u. 20 mg/l 30 mg/l
June 2005	TSS, Monthly Avg. TSS, Weekly Avg.	149 mg/l 149 mg/l	20 mg/l 30 mg/l
August 2005	TSS, Monthly Avg. TSS, Weekly Avg. Fecal Coliform, Monthly Avg. Fecal Coliform, Weekly Avg.	176 mg/l 176 mg/l 940 col/100 ml 940 col/100 ml	20 mg/l 30 mg/l 200 col/100 ml 400 col/100 ml
October 2005	TSS, Monthly Avg. TSS, Weekly Avg.	72 mg/l 72 mg/l	20 mg/l 30 mg/l
November 2005	TSS, Monthly Avg. TSS, Weekly Avg.	122 mg/l 122 mg/l	20 mg/l 30 mg/l
December 2005	BOD ₅ , Monthly Avg. BOD ₅ , Weekly Avg. pH, min. – max. TSS, Monthly Avg. TSS, Weekly Avg. Fecal Coliform, Monthly Avg. Fecal Coliform, Weekly Avg.	33.2 mg/l 33.2 mg/l 9.2 s.u. 174 mg/l 174 mg/l 2,600 col/100 ml 2,600 col/100 ml	20 mg/l 30 mg/l 6.0 – 9.0 s.u. 20 mg/l 30 mg/l 200 col/100 ml 400 col/100 ml
January 2006	BOD ₅ , Monthly Avg. BOD ₅ , Weekly Avg. pH, min. – max. TSS, Monthly Avg. TSS, Weekly Avg.	38.5 mg/l 39 mg/l 9.03 s.u. 229 mg/l 242 mg/l	20 mg/l 30 mg/l 6.0 – 9.0 s.u. 20 mg/l 30 mg/l
February 2006	BOD ₅ , Monthly Avg. pH, min. – max. TSS, Monthly Avg. TSS, Weekly Avg.	28 mg/l 9.26 s.u. 200 mg/l 200 mg/l	20 mg/l 6.0 – 9.0 s.u. 20 mg/l 30 mg/l
March 2006	BOD ₅ , Monthly Avg. BOD ₅ , Weekly Avg. TSS, Monthly Avg. TSS, Weekly Avg. Fecal Coliform, Monthly Avg.	40 mg/l 40 mg/l 320 mg/l 320 mg/l 330 col/100 ml	20 mg/l 30 mg/l 20 mg/l 30 mg/l 200 col/100 ml
April 2006	TSS, Monthly Avg. TSS, Weekly Avg. pH, min. – max.	130 mg/l 130 mg/l 9.74 s.u.	20 30 6.0 – 9.0 s.u.
May 2006	TSS, Monthly Avg. TSS, Weekly Avg. Fecal Coliform, Monthly Avg.	110.6 mg/l 110.6 mg/l 300 col/100 ml	20 mg/l 30 mg/l 200 col/100 ml
June 2006	TSS, Monthly Avg. pH, min. – max.	22 mg/l 9.28 s.u.	20 6.0 – 9.0 s.u.

- Please note that the discharge monitoring report for July 2005 was not submitted or was missing from the file.

XII. ADDITIONAL INFORMATION:

The Department of Environmental Quality reserves the right to impose more stringent discharge limitations and/or additional restrictions in the future to maintain the water quality integrity and the designated uses of the receiving water bodies based upon water quality studies. These studies may indicate the need for

advanced/more advanced wastewater treatment. Studies of similar dischargers and receiving water bodies have resulted in monthly average effluent limitations of 5 mg/l CBOD₅, and 2 mg/l NH₃-N. Therefore, prior to upgrading or expanding this facility, the permittee should contact the Department to determine the status of the work being done to establish future effluent limitations and additional permit conditions.

At present, the **Monitoring Requirements, Sample Types, and Frequency of Sampling** as shown in the permit are standard for facilities of flows between 0.02 and 0.10 MGD.

<u>Effluent Characteristics</u>	<u>Monitoring Requirements</u>	
	<u>Measurement Frequency</u>	<u>Sample Type</u>
Flow	1/week	Measure
BOD ₅	1/month	Grab
Total Suspended Solids	1/month	Grab
Fecal Coliform Bacteria	1/month	Grab
pH	1/month	Grab

The permittee shall achieve compliance with the FINAL EFFLUENT LIMITATIONS and MONITORING REQUIREMENTS as specified in accordance with the following schedule:

ACTIVITY	DATE
Achieve Interim Effluent Limitations and Monitoring Requirements	Effective date of permit
Achieve Final Effluent Limitations and Monitoring Requirements	Two years from the effective date of the permit

The above listed activities must be achieved on or before the deadline date. Additionally, the permittee shall submit a progress report outlining the status of all facility improvements on a yearly basis until compliance is achieved.

Within 14 days of completion of the new facility or facility upgrade and/or expansion, the Permittee shall notify the Department of Environmental Quality, Office of Environmental Services in writing that construction has been completed.

The Permittee shall achieve sustained compliance with Final Effluent Limitations.

Where the percent project completion reported is less than would be required to assure completion of necessary upgrades by the required date, the report of progress shall also include an explanation for this delay and proposed remedial actions.

No later than 14 days following a date for a specific action (as opposed to a report of progress), the permittee shall submit a written notice of compliance or noncompliance.

XIII TENTATIVE DETERMINATION:

On the basis of preliminary staff review, the Department of Environmental Quality has made a tentative determination to issue a permit for the discharge described in this Statement of Basis.

XIV REFERENCES:

Louisiana Water Quality Management Plan, Vol. 8, "Wasteload Allocations and Discharger Inventory," Louisiana Department of Environmental Quality, 1992.

Louisiana Water Quality Management Plan, Vol. 5-B, "Water Quality Inventory," Louisiana Department of Environmental Quality, 1998.

Louisiana Administrative Code, Title 33 - Environmental Quality, Part IX - Water Quality Regulations, Chapter 11 - "Louisiana Surface Water Quality Standards," Louisiana Department of Environmental Quality, 2004.

Louisiana Administrative Code, Title 33 - Environmental Quality, Part IX - Water Quality Regulations, Subpart 2 - "The LPDES Program," Louisiana Department of Environmental Quality, 2004.

Low-Flow Characteristics of Louisiana Streams, Water Resources Technical Report No. 22, United States Department of the Interior, Geological Survey, 1980.

Index to Surface Water Data in Louisiana, Water Resources Basic Records Report No. 17, United States Department of the Interior, Geological Survey, 1989.

LPDES Permit Application to Discharge Wastewater, Quail Ridge Limited Partnership, Quail Ridge Mobile Home Park, September 9, 2002.